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TIMOTHY P. O'HAGAN			EXAMINER	
8710 KILKENNY CT			DAFTUAR, SAKET K	
FORT MYERS, FL 33912				
			ART UNIT	PAPER NUMBER
			2151	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/713,481

Applicant(s)

SAHA, PARTHA

Examiner

Saket K. Daftuar

Art Unit

2151

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

Response to Amendment

1. This office action is responsive to the amendment filed on October 18th, 2007.

Claims 1-18 are presented for the further examination.

Response to Arguments

2. Applicant's arguments with respect to claims 1-18 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Champlin et al US Patent Number 6,519,635 (hereinafter Champlin) and McHann Jr. U.S. Patent Number 5,991,806 (hereinafter McHann) and further in view of Barry et al US Patent Number 7,225,249 B1 (hereinafter Barry).

As per claim 1, Champlin discloses a network management agent for i) receiving a master SNMP network management (see Figures 1- 4, block 64) request message (see Figure 3, block 40) from the SNMP network management system (block 62, figure 4); and ij) providing a master SNMP response message to the SNMP network management system (see column 2, line 16 – column 3,

line 14, column 4, lines 49-64); a connections module, for each of the plurality of SNMP managed clients: establishing an internet protocol connection with such SNMP managed client (see column 2, line 58 – column 3, line 14, column 4, lines 49-64); and both: i) providing, to each of the plurality of SNP managed clients, a client network management request message (see column 2, line 58 – column 3, line 14, column 4, lines 49-64) ; and ii) receiving, from each of the plurality of SNMP managed clients, a client response message, in each case, through the internet protocol connection (see column 2, line 16 – column 3, line 14, column 4, lines 42-64); and, a message handling module for: receiving the master SNMP network management request message, the master SNMP network management request message including a plurality of master object identifiers (see column 2, line 16 – column 3, line 14, column 4, lines 49-64), each master object identifier comprising a client identifier that identifies a particular one of the SNMP managed clients and a variable portion that identifies a variable value within a client management information base (see column 2, line 58 – column 3, line 14, column 4, lines 49-64); generating, for each master object identifier included in the master SNMP network management request message, the client network management request message, each client network management request message including a client object identifier that identifies the variable value within the client management information base (see Abstract, column 2, line 58 – column 3, line 14, column 4, lines 49-64); receiving the client response message from each of the SNMP managed clients to which a client network management

message was provided, each client response message including the client object identifier and the variable value (see column 2, line 58 – column 3, line 14, column 4, lines 49-64); aggregating each client response message to generate a master SNMP response message, the master SNMP response message including the plurality of master object identifiers and each master object identifier the client identifier and the variable value received in the client response message(see column 2, line 58 – column 3, line 14, column 4, lines 49-64).

However, Champlin is silent establishing an internet protocol connection through the firewall serving such SNMP managed client;

Barry in the same field endeavor as McHann teaches each connection is a TCP/IP connection that is established with a client, through the firewall [see column 10, lines 15-19 and 58-63] serving such SNMP managed client in response to receiving a connection request initiating by such SNMP managed client.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teachings of Champlin, McHann and Barry because they are all from the same field endeavor to provides a method which includes translating information data for an SNMP sub-agent and an SNMP command, from the first format to second format and further allows translating the identification data for an SNMP sub-agent and an SNMP command and also provides an integrated customer interface and web-based delivery system for delivering to customers a number of products and services

available from remote servers that facilitates and simplifies customer access to, and management of, all of their network assets and network management products and services.

As per claim 2, Champlin discloses the variable portion of the master object identifier is the client object identifier (see column 2, line 58 – column 3, line 14, column 4, and lines 49-64).

As per claim 3, Champlin discloses each internet protocol connection is established with a SNMP managed client (see column 2, line 58 – column 3, line 14, column 4, lines 49-64); the connections module further records, in an active connections table, for each internet protocol connection, a client connection identifier in association with the client identifier identifying the SNMP managed client that initiated the internet protocol connection (see column 2, line 58 – column 3, line 14, column 4, lines 49-64); and the client network management request message to the particular one of the SNMP managed clients by providing the client network management request over the internet protocol connection that associates with the particular one of the SNMP managed clients in the active connections table (see column 2, line 58 – column 3, line 14, column 4, lines 49- column 5, line 11) .

However Champlin is silent about each connection is a TCP/IP connection that is established with a client, through the firewall serving such SNMP

managed client in response to receiving a connection request initiating by such SNMP managed client and a device state machine provides.

Barry in the same field endeavor as McHann teaches each connection is a TCP/IP connection that is established with a client, through the firewall [see column 10, lines 15-19 and 58-63] serving such SNMP managed client in response to receiving a connection request initiating by such SNMP managed client.

McHann teaches a device state machine provides [column 11, lines 2-39, and device state].

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teachings of Champlin, McHann and Barry because they are all from the same field endeavor to provides a method which includes translating information data for an SNMP sub-agent and an SNMP command, from the first format to second format and further allows translating the identification data for an SNMP sub-agent and an SNMP command and also provides an integrated customer interface and web-based delivery system for delivering to customers a number of products and services available from remote servers that facilitates and simplifies customer access to, and management of, all of their network assets and network management products and services.

As per claim 4, McHann discloses the client connection identifier is a source IP address and a source port number obtained from a TCP/IP frame

initiated by the SNMP managed client with which the internet protocol connection is established [see column 1, lines 27-37 and column 8, line 56 – column 9, line 1].

As per claims 5-8, Champlin discloses a client is SNMP managed client (See Abstract).

As per claim 5, In addition to Champlin, McHann discloses periodically receiving a heart beat message from the client over the internet protocol connection [specific power event signal, column 10, lines 34 – column 11, line, 60]; each heart beat message including the client identifier and a time interval between the heart beat message and a subsequent heart beat message [column 8, lines 1-9, column 10, lines 34 – column 11, line, 60]; updating the client connection identifier in the active connection table if the source IP address or the source port number obtained from the heart beat message differs from that of a previous heart beat message [column 8, lines 1-9, column 10, lines 34 – column 11, line, 60]; providing a heart beat acknowledgement message to the SNMP managed client over the Internet protocol connection [column 8, lines 1-9, column 10, lines 34 – column 11, line, 60]; and determining that the internet protocol connection is inactive if a time period in excess of the time interval elapses during which a subsequent heart beat has not been received [column 8, lines 1-9, column 10, lines 34 – column 11, line, 60].

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teachings of Champlin,

McHann and Barry because they are all from the same field endeavor to provides a method which includes translating information data for an SNMP sub-agent and an SNMP command, from the first format to second format and further allows translating the identification data for an SNMP sub-agent and an SNMP command and also provides an integrated customer interface and web-based delivery system for delivering to customers a number of products and services available from remote servers that facilitates and simplifies customer access to, and management of, all of their network assets and network management products and services.

As per claim 6, In addition to Champlin, McHann discloses the master response message includes an indication that the a value does not exist if the value is associated with a master object identifier that includes a client identifier associated with an client with which the internet protocol connection is inactive (see column 2, line 16 – column 3, line 14, column 4, lines 49-64).

As per claim 7, In addition to Champlin, McHann discloses the master network management request message comprises at least two master object identifiers, each master object identifier comprising a client identifier that is unique from the client identifier of at least one other master object identifier (see column 2, line 16 – column 3, line 14, column 4, lines 49-64).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teachings of Champlin, McHann and Barry because they are all from the same field endeavor to provides

a method which includes translating information data for an SNMP sub-agent and an SNMP command, from the first format to second format and further allows translating the identification data for an SNMP sub-agent and an SNMP command and also provides an integrated customer interface and web-based delivery system for delivering to customers a number of products and services available from remote servers that facilitates and simplifies customer access to, and management of, all of their network assets and network management products and services.

As per claim 8, In addition to Champlin, McHann discloses receiving an asynchronous client Trap message initiated by client over the internet protocol connection established with client, the asynchronous client Trap message including a client object identifier and a variable value associated with the client object identifier [column 8, line 27 – column 9, line 6]; identifying the client that initiated the asynchronous client Trap message [column 8, line 27 – column 9, line 6]; and generating an asynchronous master Trap message and providing the asynchronous master Trap message to the network management system, the asynchronous master Trap message including the value and a master object identifier, the master object identifier including a client identifier identifying the client that initiated the asynchronous client Trap message and a variable portion identifying the variable value [column 8, line 27 – column 9, line 6].

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the teachings of Champlin,

McHann and Barry because they are all from the same field endeavor to provides a method which includes translating information data for an SNMP sub-agent and an SNMP command, from the first format to second format and further allows translating the identification data for an SNMP sub-agent and an SNMP command and also provides an integrated customer interface and web-based delivery system for delivering to customers a number of products and services available from remote servers that facilitates and simplifies customer access to, and management of, all of their network assets and network management products and services.

As per claim 9, McHann discloses the variable portion of the master object identifier is the client object identifier [See Figure 4, block 406; column 8, lines 1-9 for object and client identifier in MIB].

As per claims 10-11 and 14-18, claims 10-11 and 14-18 are method claim of claims 1-2 and 5-9. They do not teach or further define over the limitation as recited in claims 1-2 and 5-9, respectively. Therefore, claims 10-11 and 14-18 are rejected under same scope as discussed in claims 1-2 and 5-9, supra.

As per claims 12-13, claims 12-13 are method claim of claims 3-4. They do not teach or further define over the limitation as recited in claims 3-4, respectively. Therefore, claims 12-13 are rejected under same scope as discussed in claims 3-4, supra.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See accompanying PTO 892.

a. Automated Trap Control For a Distributed Network Management System

by Spencer U.S. Patent Number 6,253,243 B1.

b. Network Management System by Henderson et al. U.S. Patent Number

6,058,103.

c. Automated Trap Control For a Distributed Network Management System

by Spencer U.S. Patent Number 6,253,243 B1.

d. Network Station and Network Management System by Ushijima et al.

U.S. Patent Number 5,594,426.

e. Network Management System for Communication Networks by Azarmi et

al. U.S. Patent Number 5,905,715.

f. Hierarchical Network Management System by Fujino et al. U.S. Patent

Number 5,651,006.

g. Integrated Systems for Providing Communications Network Management

Services and Interactive Generating Invoice Documents by Barry et al. U.S.

Patent Number 7,225,249 B1.

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saket K. Daftuar whose telephone number is 571-272-8363. The examiner can normally be reached on 8:30am-5:00pm M-W.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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SKD



JEFFREY PWU
SUPERVISORY PATENT EXAMINER